

WHAT IS CLAIMED IS:

1 1. A battery connecting plate, comprising:
2 a plate body, disposed on a plurality of arrayed batteries;
3 a first terminal, provided with a first portion which is connected to one
4 of the batteries, and a second portion which is connected to an electronic
5 element; and
6 a cover member, attached onto the plate body in a first direction, to
7 provisionally fix the first terminal on the plate body,
8 wherein the first terminal is provided with a tolerance compensator,
9 which connects the first portion and the second portion while compensating a
10 positional difference between the first portion and the second portion in the first
11 direction.

1 2. The battery connecting plate as set forth in claim 1, wherein the first
2 terminal comprises a terminal body and a flexible leg portion extended from the
3 terminal body to serve as the tolerance compensator.

1 3. The battery connecting plate as set forth in claim 2, wherein the
2 terminal body is provided with the first portion, and the flexible leg portion is
3 provided with the second portion.

1 4. The battery connecting plate as set forth in claim 1, further comprising
2 a second terminal, to which the first terminal is electrically connected via the
3 electronic element.

1 5. The battery connecting plate as set forth in claim 2, wherein the cover
2 member comprises:

3 a first cover, which is disposed on the plate body to provide a
4 predetermined position relative to the plate body at which the second portion of
5 the first terminal is placed; and

6 a second cover, which is attached onto the first cover in the first
7 direction to provisionally fix the flexible leg portion between the first cover and
8 the second cover.

1 6. The battery connecting plate as set forth in claim 1, wherein the plate
2 body is formed with a first stopper, which restricts a movement of the cover
3 member in the first direction.

1 7. The battery connecting plate as set forth in claim 1, wherein the plate
2 body is formed with a second stopper, which restricts a movement of the cover
3 member in a second direction opposite to the first direction.

1 8. The battery connecting plate as set forth in claim 4, wherein the first
2 terminal, the second terminal and the electronic element are electrically
3 connected by soldering.

1 9. The battery connecting plate as set forth in claim 1, further comprising
2 a fixation member, which fixes the first portion of the first terminal to the one of
3 the batteries to thereby plenary fixing the first terminal on the plate body.

1 10. The battery connecting plate as set forth in claim 1, wherein the
2 electronic element is an overcurrent protection resistor provided in accordance
3 with a maximum output voltage of the one of the batteries.

1 11. The battery connecting plate as set forth in claim 1, further comprising
2 a conductive bus bar, which comprises:

3 a first portion, connected to a first one of the batteries;
4 a second portion, connected to a second one of the batteries; and
5 a fulcrum portion, situated between the first portion and the second
6 portion,

7 wherein the plate body is formed with a protrusion which supports the
8 fulcrum portion such that the bus bar is allowed to move in a see-saws manner
9 before the bus bar is fixed on the plate body.

1 12. The battery connecting plate as set forth in claim 11, wherein the
2 fulcrum portion of the bus bar and the protrusion of the plate body are
3 configured such that the first portion of the bus bar is separated from the plate
4 body when the second portion of the bus bar is brought into contact with the
5 plate body.